BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS ROADS AND DRAINS AT YELAHANKA OLD TOWN AND VINAYAKA LAYOUT SURROUNDING IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 5000000.00

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
		Cum							
	1st Cross (Vinayaka Layout)		2	60.00	1.00	1.00	120.00		
	2nd Cross (Vinayaka Layout)		2	60.00	1.00	1.00	120.00		
	Maruthi Nagara								
	11th Cross 2nd Main to 1st Main		1	160.00	1.00	0.90	144.00		
	1st Main 16th Cross Road		1	84.00	1.00	1.00	84.00		
	3rd Main 7th Cross Road		1	160.00	1.00	1.00	160.00		
							628.00	200.34	125813.52
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
			Qty Vide Item No.1				**628.00**	100.00	**62800.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRB 4-1.3: **Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement** @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
	1st Cross (Vinayaka Layout)		2	60.00	1.00	0.15	18.00		
	2nd Cross (Vinayaka Layout)		2	60.00	1.00	0.15	18.00		
	Maruthi Nagara								

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Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
11th Cross 2nd Main to 1st Main		1	160.00	1.00	0.15	24.00		
1st Main 16th Cross Road		1	84.00	1.00	0.15	12.60		
3rd Main 7th Cross Road		1	160.00	1.00	0.15	24.00		
						96.60	5159.02	**498361.33**
Basic Rate	4867.00							
Area Weightage @ 6%	292.02							
Total	**5159.02**							
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200. -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59)								
	Cum							
bed		2	60.00	1.00	0.15	18.00		
		2	60.00	1.00	0.15	18.00		
		1	160.00	1.00	0.15	24.00		
		1	84.00	1.00	0.15	12.60		
		1	160.00	1.00	0.15	24.00		
Side wall		4	60.00	0.15	0.60	21.60		
		4	60.00	0.15	0.60	21.60		
		2	160.00	0.15	0.60	28.80		
		2	84.00	0.15	0.60	15.12		
		2	160.00	0.15	0.60	28.80		
						212.52	11032.48	**2344622.65**
Basic Rate	10408.00							
Area Weightage @ 6%	624.48							
Total	**11032.48**							
KSRB 4.9.2:Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It.No.4.46.2 **(rates effects from 01-07-2017)**								
	tonne					**Total in Kg**		
	55% of Qty Vide Item No.4				in Qtl	116.89		
					in tonne	**11.69**	64243.42	**750915.64**
Basic Rate	60607.00							
Area Weightage @ 6%	3636.42							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Total	**64243.42**							
Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** nd down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Sqm							
1st Cross (Vinayaka Layout)		2	60.00	0.90		108.00		
2nd Cross (Vinayaka Layout)		2	60.00	0.90		108.00		
Maruthi Nagara								
11th Cross 2nd Main to 1st Main		1	160.00	0.90		144.00		
1st Main 16th Cross Road		1	84.00	0.90		75.60		
3rd Main 7th Cross Road		1	160.00	0.90		144.00		
						579.60	2100.00	**1217160.00**
Data Rate	**2100.00**							
Miscellaneous and unforeseen charges								327.00
					Grand Total Amount			5000000.00

(Rupees Fifty Lakhs Only)

RTIFICATE

The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.01

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Technical Sanction
Accorded for 50.00 lakh Rs
Head of - P3332
CER NO 443 Dt 27/12/17

JTA CE (TWN)

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 Lakhs
Rupees fifty Lakhs only
Under 001-18-000015
Registered as EE ( ) ____
Subject to conditions contained in
enclosed memo EE ( ) No ____
Dt ____ Estimate A/S sanctioned
J.C(Y)PA/ BB/54/17-18
dated 27-12-2017 Rs 50.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

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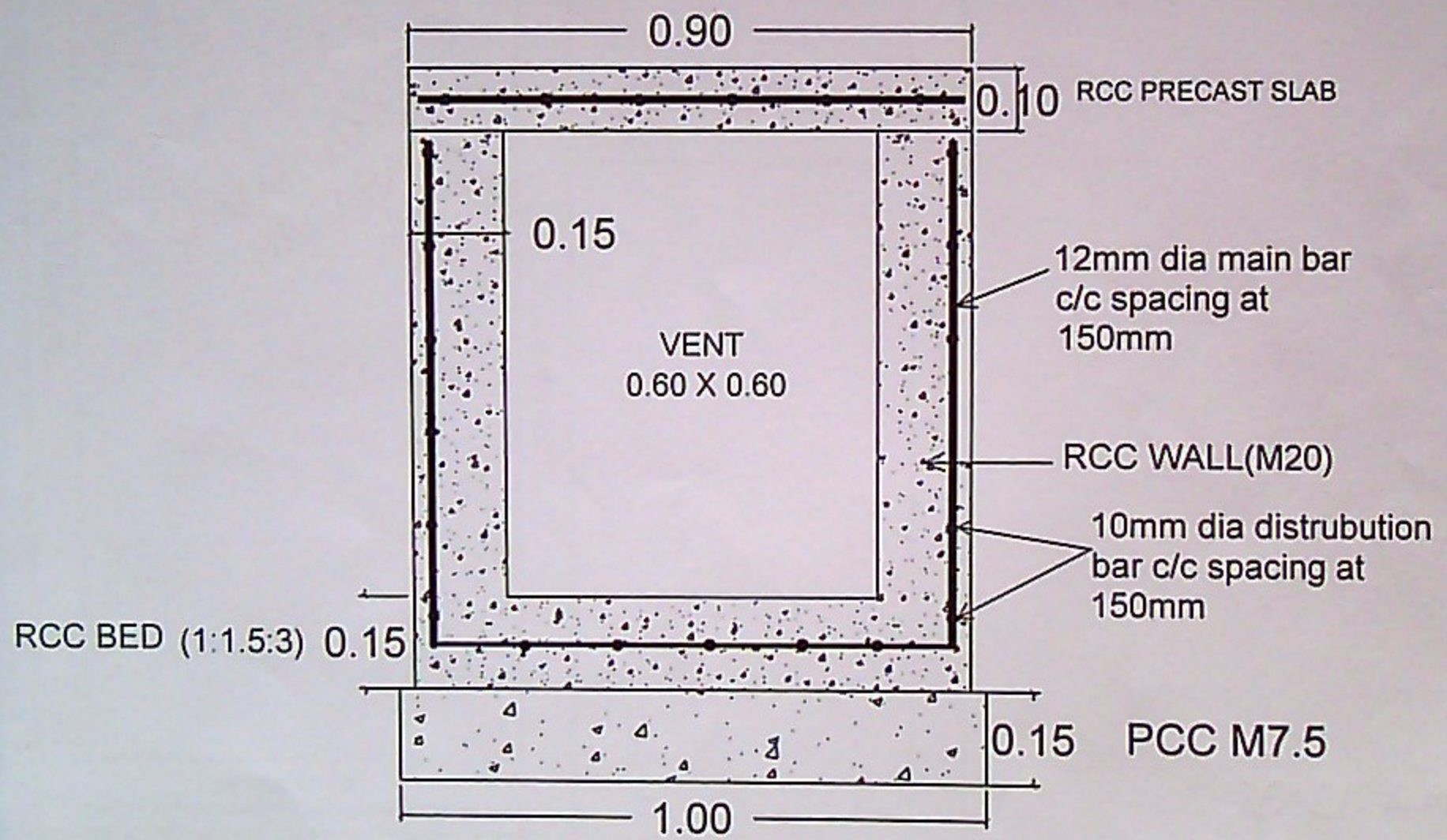

CROSS SECTION OF RCC DRAIN

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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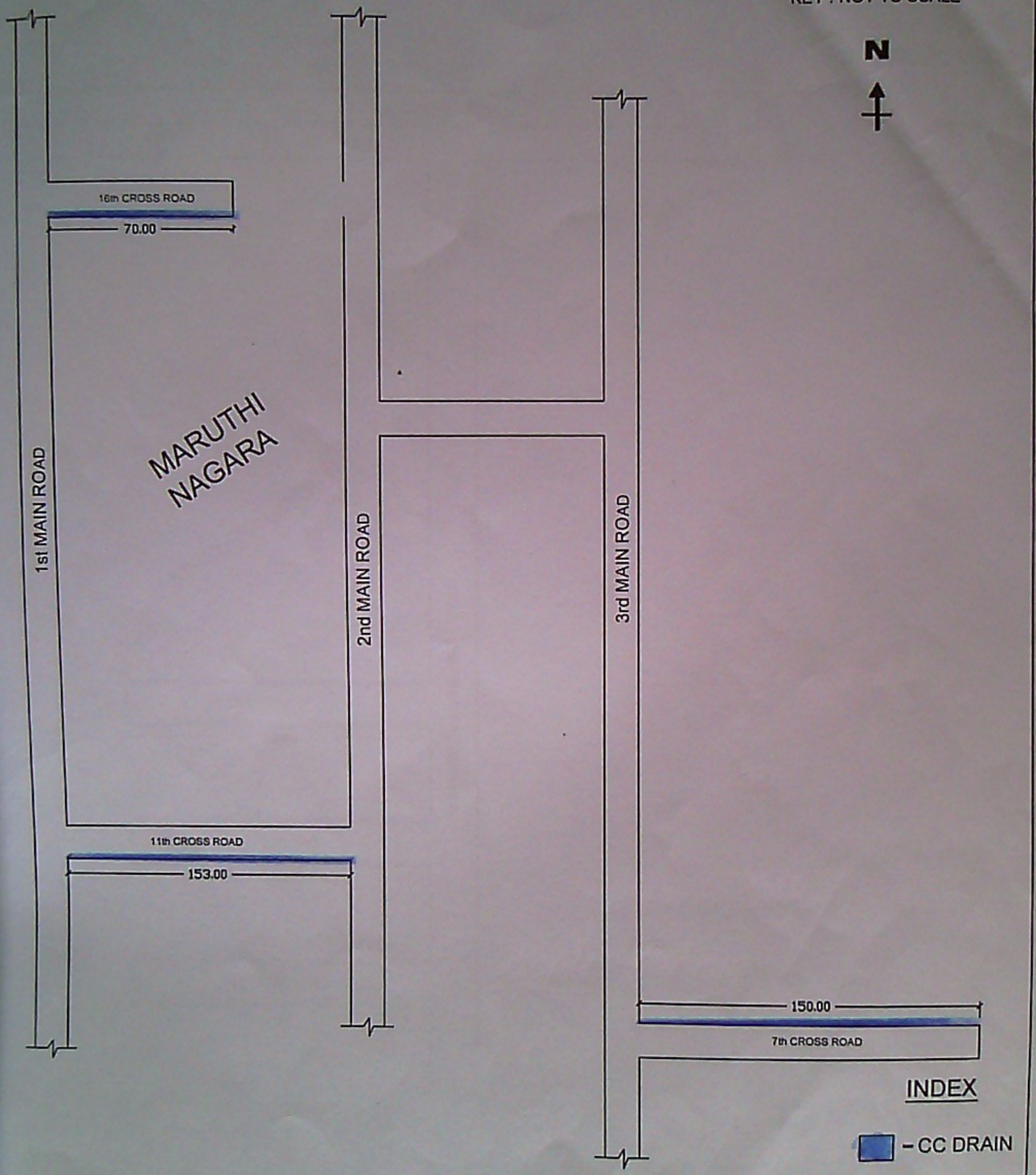
KEY : NOT TO SCALE



Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

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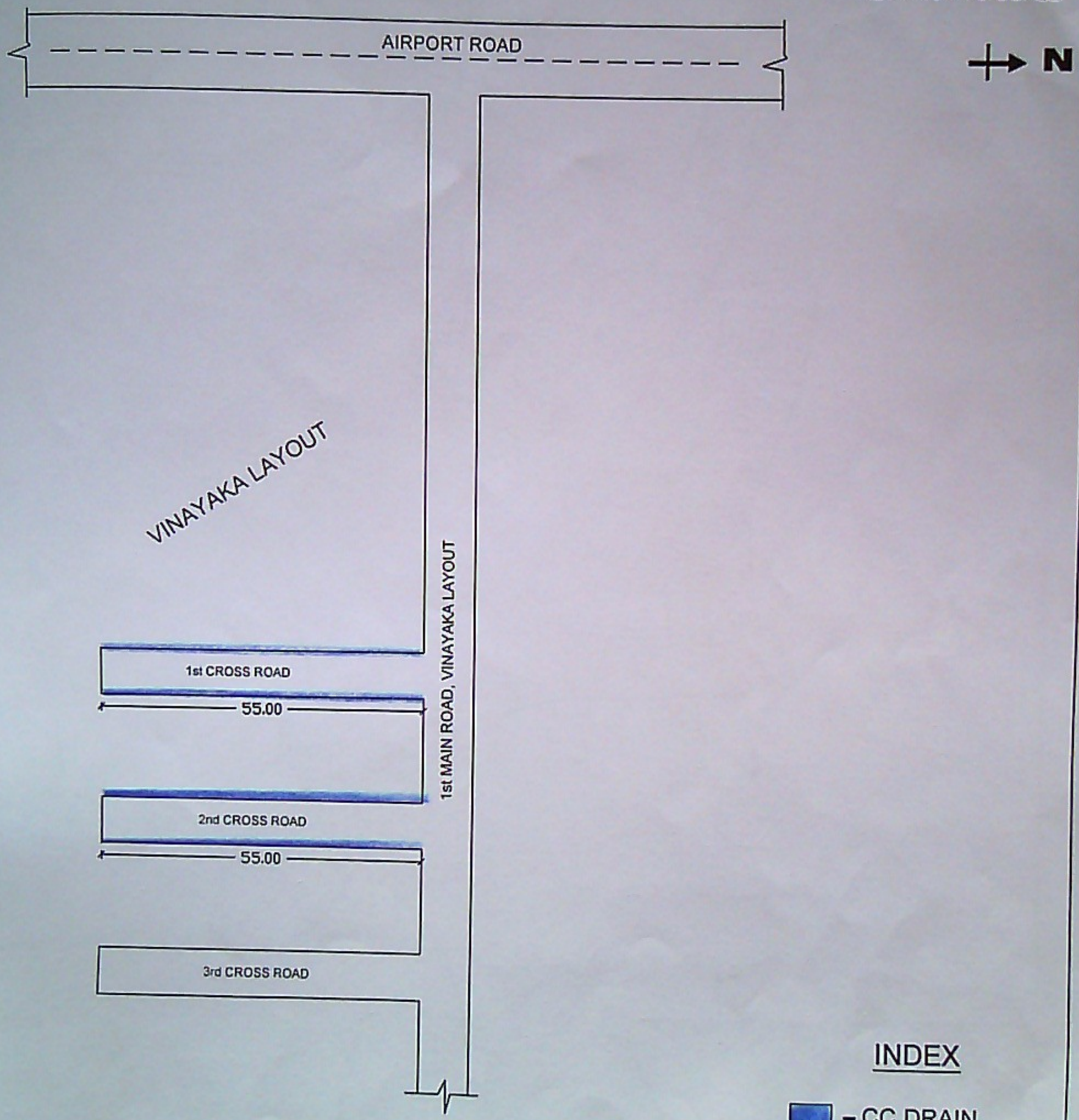

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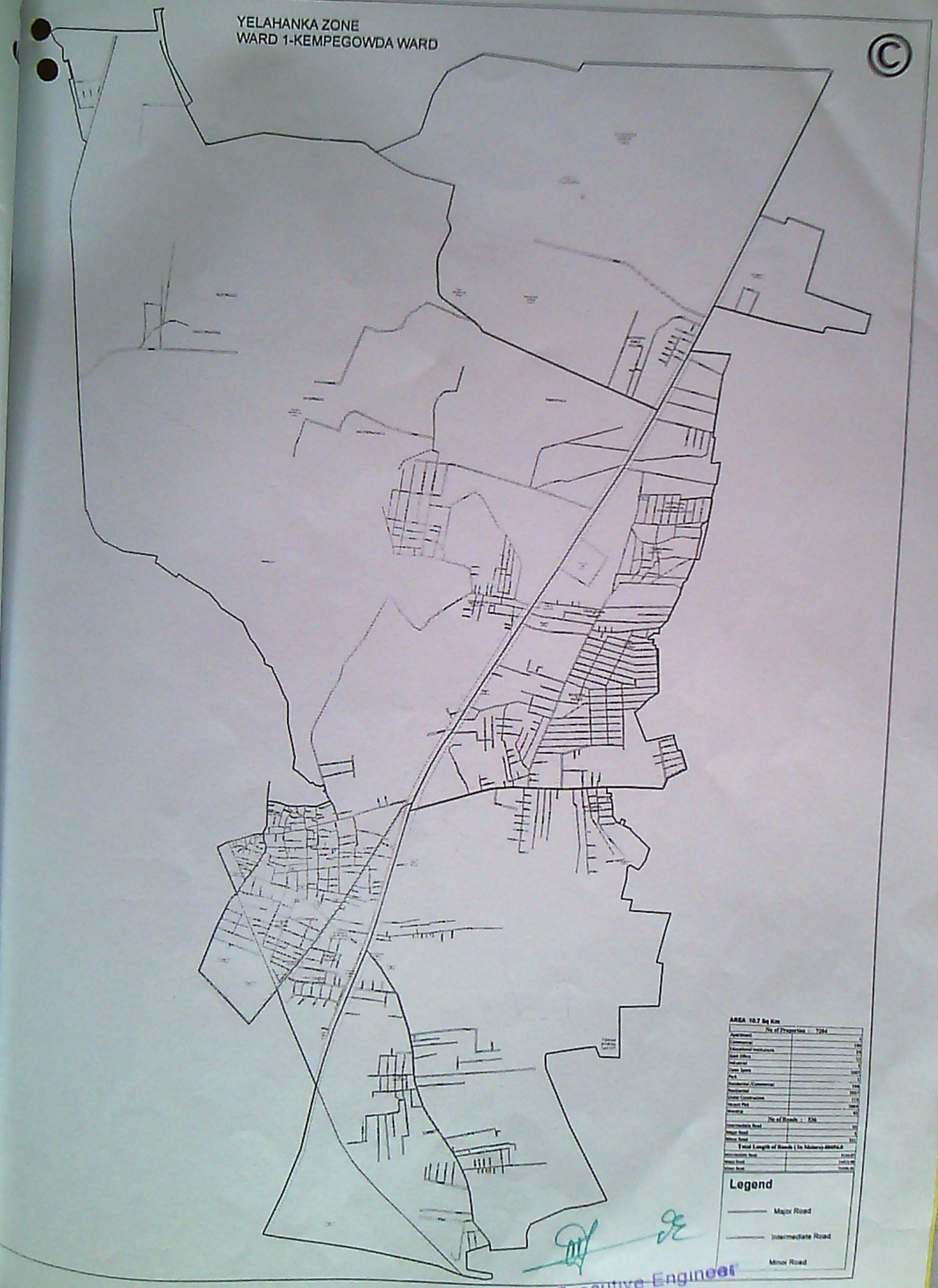
– CC DRAIN

Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD



Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Bangalore